



Fulton Tower Construction

Missouri Department of Natural Resources
2010 Annual Compliance Report
of Missouri Public Drinking Water Systems



Table of Contents

Note from the Branch Chief	2
Missouri Public Water System Universe	3
Analysis of Compliance by Water Systems in 2010	3
Compliance Activities	5
Summary of Violations Table	6
Organic Contaminants	8
Inorganic Contaminants	10
Radiologicals	10
Microbiologicals	10
Surface Water Treatment Rule	11
Lead and Copper Rule	11
Public Notification	11
Appendix A: Listing of Acute Maximum Contaminant Level Violators	12
I. Coliform	
A. 2010 Boil Water Orders	13
B. Non-Acute MCL Violations	14
II. Chemical MCL Violations	23
III. Radiological MCL	24
IV. Surface Waters	25
Appendix B: Listing of Chronic Major Monitoring Violators	26
Appendix C: Listing of Major Repeat Monitoring Violators	28
Appendix D: Listing of Significant Non-Compliers	29



Note from the Branch Chief

Missouri is blessed with an abundance of high-quality water supplied by its many underground aquifers and major river networks. These sources provide Missourians with water not only for drinking but for a myriad of household and other purposes. It is critical to the state's economy that water provided to the public be safe and abundant.

The Public Drinking Water Branch of the Missouri Department of Natural Resources has the important mission of ensuring the state's 2,797 public water systems provide safe drinking water to every resident and visitor to the state. To do this, the branch sets limits and monitors for 91 contaminants that could be found in public drinking water supplies. This report provides information on how well public water systems in Missouri are meeting the standards for providing safe drinking water.

This is the fifteenth Annual Compliance Report the Public Drinking Water Branch has produced since 1996 and covers compliance statistics for calendar year 2010. Each state produces a similar annual report on its public water systems. The reports are made available to the public and are provided to the U.S. Environmental Protection Agency for inclusion in a national report summarizing the performance of the nation's public drinking water systems.

The branch provides this report not only to comply with statutory obligations mandated by the federal Safe Drinking Water Act, but also to focus attention and provide an understanding of the importance of quality drinking water to the public.

The report shows that Missouri's water systems continued to provide safe and reliable drinking water in 2010. While most of Missouri's compliance figures are very high, one measure saw a significant decline in 2010. The decline is due almost entirely to a single, short-term event at our largest water supplier. Even though the event lasted less than five minutes and only affected a small number of customers, EPA considers the entire water system to have been out of compliance for the entire year. The Total Coliform Rule monitoring and maximum contaminant level requirements generate the most violations because they require the most frequent sampling. Several Missouri systems are also struggling to comply with the Radionuclides Rule, although many have returned, or in the process of returning, to compliance. The high cost of radionuclide treatment technologies and limited disposal options make it difficult for small systems to comply. A few systems are experiencing difficulty complying with current disinfection byproduct requirements as we work to prepare for the more stringent Stage 2 Disinfectants and Disinfection Byproducts Rule, which becomes effective in 2012. Compliance with Consumer Confidence Report requirements continues to be high due to increased staff efforts and assistance provided by the Missouri Rural Water Association. In addition, the number of acute Total Coliform violations dropped significantly in 2010. We continue focusing on these and other standards to ensure Missourians will continue to receive high-quality, safe drinking water.

In late 2009 the new federal Groundwater Rule went into effect, imposing a host of new requirements on the 88 percent of Missouri Public Water Systems that use groundwater as their source. This rule is proving very challenging to both public water systems and regulators. The department has been working hard to assist affected public water systems struggling to comply with this complicated rule.

I hope you find this report informative and useful.

A handwritten signature in black ink, appearing to read "Steven W. Sturgess".

Steven W. Sturgess, Chief
Public Drinking Water Branch
Missouri Department of Natural Resources

What is a Public Water System?

A public water system is defined as a system that provides water through piping or other constructed conveyances for human consumption to at least 15 service connections, or serves an average of at least 25 people for at least 60 days each year. These are the systems that are the focus of this report.

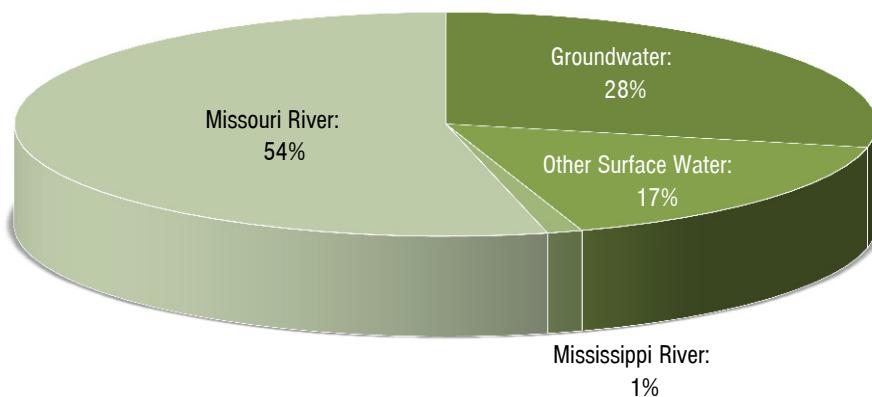
There are three types of public water systems:

- **Community systems** include towns, water districts, subdivisions, mobile home parks and residential facilities such as nursing homes or prisons.
- **Nontransient non-community systems** serve the same people every day, but not in a residential setting; schools and factories are good examples.
- **Transient non-community systems** serve different people daily, such as restaurants, resorts and rest stops. These smaller systems are typically in rural areas where it is not feasible to hook up to a city or water district.

Requirements for construction, operation, monitoring, etc., vary among systems based on their type, size and source of water.

Water testing at systems that are not public water systems (for example, homes served by private wells) is facilitated by local and county sanitarians and the Missouri Department of Health and Senior Services, rather than the Department of Natural Resources.

Source of Water (Percent Population Served)



The Missouri Public Water System Universe

In 2010, there were 2,797 active public water systems in Missouri. Of this total, 1,471 were community, 241 were non-transient non-community and 1,085 were transient non-community systems.

The community water systems in Missouri served more than 5 million citizens in 2010. These citizens benefit from one of Missouri's most outstanding resources: its water. There is generally a large quantity of high-quality water in Missouri.

By far the largest source of drinking water for Missourians is surface water from the Missouri River. The abundant supply of water in the Missouri River and its proximity to the state's major population centers make the use of this river as a source so popular.

Groundwater is the next most used source of drinking water for Missouri's community supplies. In southern Missouri, good quality groundwater is easy to obtain and typically

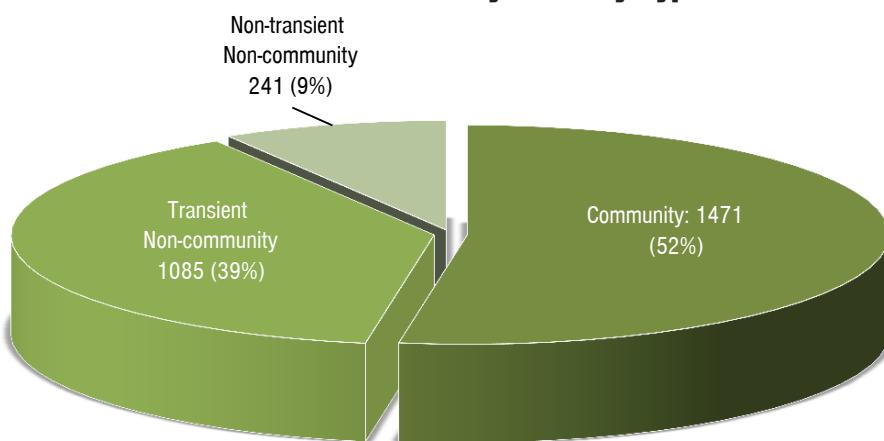
requires very little treatment to be used for drinking water. Some groundwater systems have the best of both worlds and use alluvial wells in valleys of the Missouri and Mississippi river system where they can get large volumes of water free of surface contaminants. Wells in the Missouri River alluvium provide groundwater to a significant population. More than half the state's population get their drinking water from the Missouri River or its alluvial wells. The importance of this resource cannot be overstated.

Analysis of Compliance

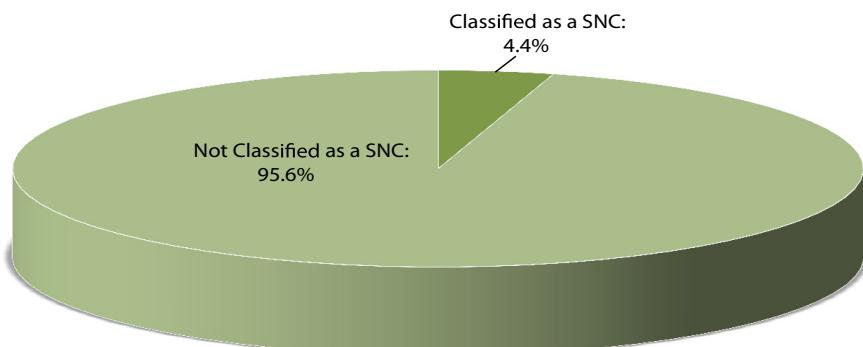
We expect a lot from our public water systems and require testing for 91 different regulated chemicals and microbiological contaminants on a regular schedule. A system is to be applauded for performing all required testing and meeting all maximum contaminant levels, also referred to as MCL, and treatment technique standards. When violations do occur, that often is the first identification of a problem and can be the first step toward correcting it. Many public water systems perform testing beyond what is required by the state.

The Summary of Violations table in this report counts individual violations. Each public water system has the potential to accumulate multiple violations during the year because there are multiple regulations involved and some monitoring is on a monthly schedule. For example, the monitoring requirements for the Total Coliform Rule alone create a potential for more than 30,000 violations. This puts

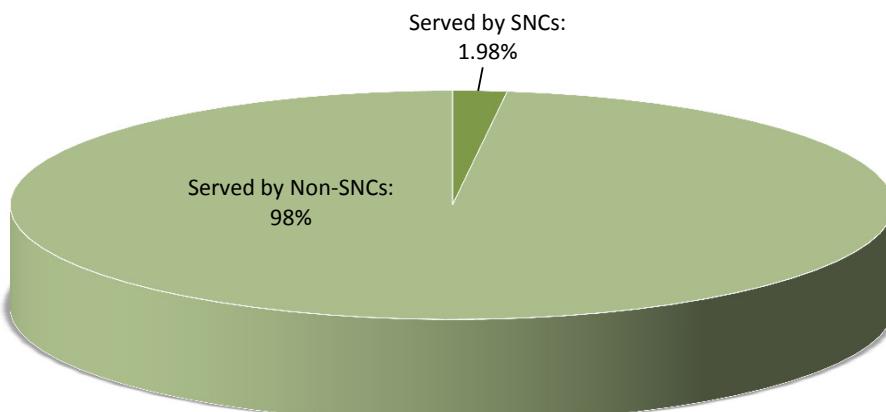
2010 Public Water Systems by Type



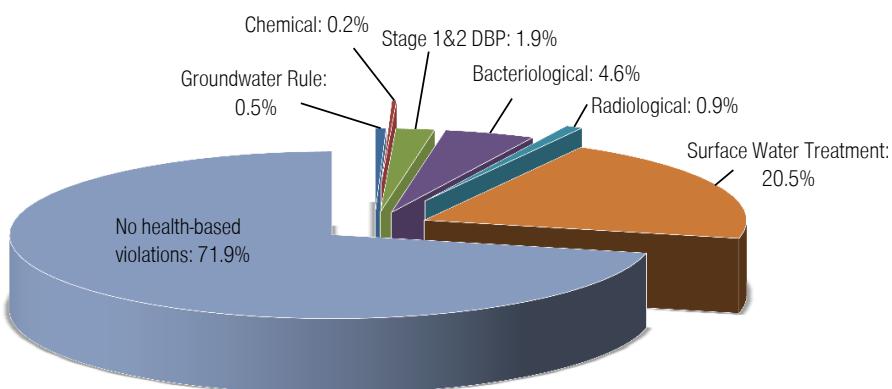
Significant Non-Compliers



Percent of Population Served by Significant Non-Compliers



Percent Population of Community Water Systems Meeting Health-based Standards



There is overlap in that some systems violate more than one area.

some perspective on the violation figures shown in the Summary of Violations table and the information in the appendices. Another factor to consider is the number of systems that have violations. Many of the violations are from water systems with problems that result in multiple violations during the year. Other systems may only have one or two violations.

Appendices A through D list specific systems by county. The department uses various methods to focus on the water systems that need attention. One of these is the Significant Noncomplier, or SNC, List. This is a list of systems with serious violations that potentially affect public health or with multiple monitoring violations. Appendix D gives the list of Significant Non-Compliers for 2010.

Some of the systems listed, however, may have already resolved their problems. During 2010 there were 122 systems on the SNC list. This is significantly lower than the number of systems on the list in 2009. Those systems listed as Significant Non-Compliers typically serve a small population. They accounted for 4.36 percent of public water systems, and 1.98 percent of the population served. Maximum contaminant level and treatment technique violations represent the most significant impact on the public health. These occurred at a small number of public water systems serving approximately 28.1 percent of the population.

Since 1996, when the first Annual Compliance Report was produced, through 2003, Missouri has consistently met or exceeded EPA's target of serving water that meets all health-based standards to 95 percent of the population. Again in 2006, Missouri community water systems met EPA's target. The small dip below the 95 percent target in 2004 and 2005 did not represent a reduction in water quality, but is a result of more stringent drinking water standards. In 2007, this compliance measure dropped significantly because Missouri's largest water system had a treatment technique violation. The same phenomenon happened again in 2010. Even though these events were of short duration, the entire population had

to be counted in this statistic. For more information on this item, refer to the 2008 Annual Compliance Report.

EPA and the states have worked together to develop an additional compliance measure called “person-months during which community water systems provide water that meets health-based standards.” This measure is intended to take into account situations where violations are of short duration. Missouri achieved 96.4 percent compliance with this measure in 2010. The national target for federal fiscal year 2010 was 95 percent.

The majority of MCL and monitoring violations in 2010 were for failure to meet the requirements of the Total Coliform Rule. Total coliform bacteria serve as an indicator that disease-causing organisms may be present. All public water systems in the state must test for this type of bacteria every month they dispense water to the public. Monitoring violations are by far the most common violation for this rule. The department is particularly concerned when monitoring violations occur at public water systems that have a history of bacteriological contamination. Adequate testing is the only way to know for sure if the problems have been corrected or have reoccurred.

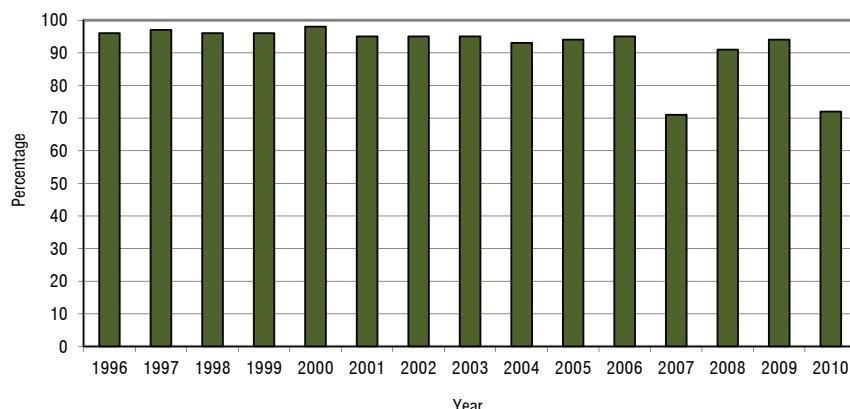
In 2010, 0.79 percent, 22 public water systems, had acute violations for fecal coliform or E. coli. (Three of these systems had multiple acute MCL violations during the year, resulting in a total of 25 acute MCL violations.)

Another way to look at the number of acute MCL violations is to compare the number that actually occurred to the number possible. Since bacteriological testing is required monthly, the 2,797 water systems had more than 30,000 chances to get an E. coli MCL violation. The 25 that actually occurred represent one-tenth of 1 percent of the number possible. While these acute violations can be serious, they are rare.

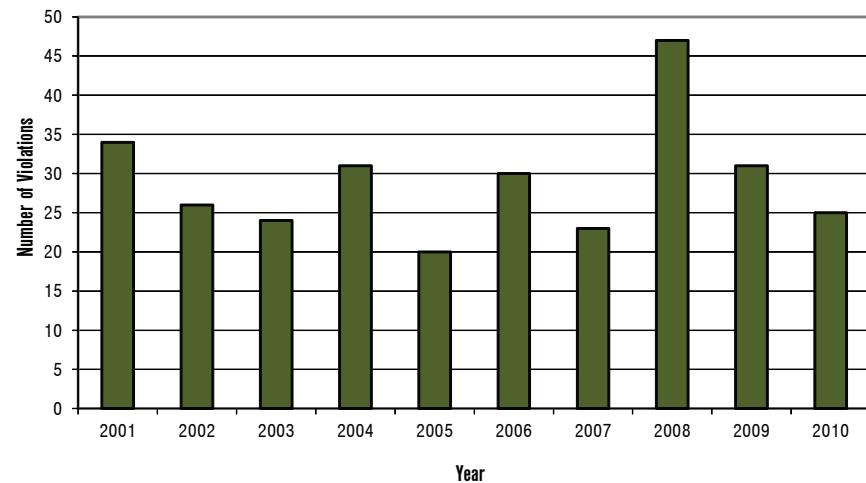
Some people may be more vulnerable to waterborne illness than the general population. To educate the public on this issue, community water systems include

Drinking Water Trends

Community Systems: Population Served Meeting All Health-Based Requirements



E. coli/Fecal Coliform Acute MCL Violations



a warning in their annual Consumer Confidence Reports stating that some people may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons such as persons with cancer undergoing chemotherapy, persons who have undergone organ transplants, people with HIV/AIDS or other immune system disorders, some elderly, and infants can be particularly at risk from infections.

The Consumer Confidence Report provides detailed information about the specific community water system, while this report does not. Consumer Confidence Reports include specifics about the water system, including the source of drinking water and the levels of naturally occurring substances

in drinking water. Usually these pose no health threat and are not violations. The report must list violations of state and federal requirements for that year. The department has made a concerted effort to provide technical assistance to small water systems through a circuit rider to help with report preparation and distribution. As a result, the overall compliance rates have been high. In 2010, 97.75 percent of Missouri's community water systems distributed their Consumer Confidence Reports properly.

Anyone can request a copy of their report from their public water system or by calling the department's Public Drinking Water Branch at 800-361-4827 or 573-751-5331.

Compliance Activities: Preserving the Quality of Drinking Water

The department works closely with violators to return them to compliance in a timely manner. This includes phone contacts, on-site inspections, meetings with owners or operators and technical assistance as needed. For the more serious violations, a Bilateral Compliance Agreement between the water system owner and the department is the tool used to move the system back into compliance. Bilateral Compliance Agreements are written agreements negotiated between and signed by the system owner and department staff. This process allows the department to determine the improvements the water system needs to make without either party having to endure the time and cost of litigation.

If a water system owner or operator violates a Bilateral Compliance Agreement, the department implements a negotiated settlement policy. Negotiated settlement agreements are more formal and enforceable than Bilateral Compliance Agreements and are reviewed and signed by staff from the Missouri Attorney General's Office. If the negotiated settlement agreement is unsuccessful, the department refers the case for legal action through the courts.

Public Drinking Water Branch staff work in



conjunction with other agencies to protect public health. By serving on a committee with staff from the Department of Health and Senior Services, the two agencies identify ways to support and benefit each other's activities. One of those areas is enforcement activity against facilities, such as restaurants, that are regulated by both agencies.

The department provides training and technical assistance in an effort to prevent the occurrence of violations. Training is routinely provided to operators and owners of public water systems around the state, primarily concentrating on the basic principles of running a water system, performing the required monitoring and preventing contamination of the system. Technical assistance in the form of phone contacts and on-site visits is also available to help water system operators avoid or correct problems. Staff in the department's regional and satellite offices carry out most of these activities.

For all violations, public water systems are required to notify the consumers they serve. The department provides all public water systems with the necessary forms and information to effectively notify the public. The method of notification varies by the violation and system type. Systems must report back to the department how the public notice was performed. Some violations, such as the confirmed detection of fecal coliform bacteria or E. coli, warrant immediate action due to the threat to public health. For such acute violations, the department requires systems to notify customers within 24 hours to boil water before consumption. Boil water orders remain in effect until the problem has been corrected and the water is safe to consume.

For More Information

Information about Missouri's public water systems can be obtained by writing to the Missouri Department of Natural Resources, Water Protection Program, Public Drinking Branch, P.O. Box 176, Jefferson City, MO 65102-0176 or calling 800-361-4827 or 573-751-5331. Information is also available on the department's website at www.dnr.mo.gov/env/wpp/dw-index.htm.

Summary of Violations Table

The following definitions apply to the Summary of Violations table.

Filtered Systems: Water systems that have installed filtration treatment [10 CSR 60-4.050].

Inorganic Contaminants: Non-carbon-based compounds such as metals, nitrates and asbestos. These contaminants are naturally-occurring in some water, but can get into water through farming, chemical manufacturing and other human activities. [10 CSR 60-4.030].

Lead and Copper Rule: Lead and copper corrosion pose various health risks when ingested at any level, and can enter drinking water from household pipes and plumbing fixtures [10 CSR 60, Chapter 15]. Violations are reported for: failure to monitor; failure to install optimal corrosion control treatment or a source water treatment system that would reduce lead and copper levels in water at the tap; failure to replace lead service lines on the schedule required by the regulation; and failure to provide required public education about reducing or avoiding lead intake from drinking water.

Organic Contaminants: Carbon-based compounds, such as industrial solvents and pesticides. These contaminants generally get into water through runoff from cropland or discharge from factories. [10CSR 60-4.040 and 4.100].

Radionuclides: Radioactive particles that can occur naturally in water or result from human activity. Safe drinking water regulations set maximum contaminant levels on five types of radionuclides: radium-226, radium-228, uranium, gross alpha and beta particle/photon radioactivity [10 CSR 60-4.060].

Surface Water Treatment Rule: This includes a series of rules promulgated from 1989-2009 that establish criteria under which water systems supplied by surface water sources, or groundwater sources under the direct influence of surface water, must filter and disinfect their water (Surface Water Treatment Rule, Interim Enhanced Surface Water Treatment Rule, Long Term

1 Enhanced Surface Water Treatment Rule, Long Term 2 Enhanced Surface Water Treatment Rule). [10 CSR 60-4.050 and 60-4.052]

Violations of the surface water treatment rules are reported for the following categories:

- Monitoring, routine/repeat (for filtered systems): Failure to carry out required tests or to report the results of those tests. A major monitoring violation for the surface water treatment rule occurs when at least 90 percent of the required samples are not taken or results are not reported during the compliance period.
- Treatment techniques (for filtered systems): Failure to properly treat the water.

Total Coliform Rule: The Total Coliform Rule, or TCR, establishes regulations for microbiological contaminants in drinking water. These contaminants can cause a short-term health problem. If no samples are collected during the one-month compliance period, a major monitoring violation occurs. States report four categories of violations to EPA:

- Acute MCL violation: A violation where the system found fecal coliform or E. Coli, potentially harmful bacteria, in its water.
- Non-acute MCL violation: A violation where the system found total coliform in samples of its water at a frequency or at a level that violates the rule. For systems collecting fewer than 40 samples per month, more than one positive sample for total coliform is a violation. For systems collecting 40 or more samples per month, more than 5 percent of the samples positive for total coliform violation.
- Major routine and follow-up monitoring: A violation where a system did not perform any monitoring.
- Sanitary Survey: A major monitoring violation if a system fails to collect five routine monthly samples if sanitary survey is not performed.

Maximum Contaminant Level: The highest amount of a contaminant allowed in drinking water. Maximum Contaminant



Levels, or MCLs, ensure drinking water does not pose a health risk. MCLs are defined in milligrams per liter (parts per million) unless otherwise specified.

Monitoring: The department specifies which water testing methods the water systems must use and sets schedules for the frequency of testing. A water system that does not follow the department's schedule or methodology is in violation. [10 CSR 60-4.010]. States must report monitoring violations that are significant as determined by the EPA Administrator, in consultation with the department. For purposes of this report, significant monitoring violations are major violations and they occur when no samples are taken or no results are reported during a compliance period.

Groundwater Rule: Applies to public water systems that serve groundwater. It ensures monitoring of groundwater sources for

E. coli contamination, and relies on four strategies to address this risk: periodic sanitary surveys, triggered source water monitoring in the case of a positive sample, corrective action for a system found to have a significant deficiency or source water E. coli contamination, and compliance monitoring to ensure the treatment technology is reliable.

Treatment Techniques: A water disinfection process that EPA requires instead of a MCL for contaminants that laboratories cannot adequately measure. Failure to meet other operational and system requirements under the Surface Water Treatment and the Lead and Copper Rules have also been included in this category of violation for purposes of this report.

Violation: A failure to meet any state or federal drinking water regulation.

Organic Contaminants: Jan. 1, 2010 - Dec. 31, 2010

	MCL ¹ (mg/L)	MCL		Treatment Technique		Significant Monitoring/Reporting	
		No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Organic Contaminants					*		
1,1,1-Trichloroethane	0.2					5	5
1,1,2-Trichloroethane	0.005					5	5
1,1-Dichloroethylene	0.007					5	5
1,2,4-Trichlorobenzene	0.07					5	5
1,2-DBCP	0.0002						
1,2-Dichloroethane	0.005					5	5
1,2-Dichloropropane	0.005					5	5
2,3,7,8-TCDD (Dioxin)	3x10-8						
2,4,5-TP	0.05						
2,4-D	0.07						
Acrylamide							
Alachlor	0.002						
Atrazine	0.003	3	1				
Benzene	0.005					5	5
Benzo[a]pyrene	0.0002					0	
Carbofuran	0.04					0	
Carbon tetrachloride	0.005					5	5
Chlordane	0.002					0	
cis-1,2-Dichloroethylene	0.07					5	5
Dalapon	0.2					0	
Di(2-ethylhexyl)adipate	0.4					0	
Di(2-ethylhexyl)phthalate	0.006					0	
Dichloromethane	0.005					5	5
Dinoseb	0.007					0	
Diquat	0.02					0	
Endothall	0.1					0	
Endrin	0.002					0	
Epichlorohydrin							
Ethylbenzene	0.7					5	5
Ethylene dibromide	0.00005						
Glyphosate	0.7						
Heptachlor	0.0004						
Heptachlor epoxide	0.0002						
Hexachlorobenzene							

¹ Values are in milligrams per liter (mg/L), unless otherwise specified

*Shaded areas indicate a violation is not applicable in this category

Organic Contaminants: Jan. 1, 2010 - Dec. 31, 2010

	MCL ¹ (mg/L)	MCL		Treatment Technique		Significant Monitoring/Reporting	
		No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Hexachlorobenzene	0.001						
Lindane	0.0002						
Methoxychlor	0.04						
Monochlorobenzene	0.1					5	5
o-Dichlorobenzene	0.6					5	5
Oxamyl (Vydate)	0.2						
Para-Dichlorobenzene	0.075					5	5
Pentachlorophenol	0.001						
Picloram	0.5						
Simazine	0.004						
Styrene	0.1					5	5
Tetrachloroethylene	0.005	0	0			5	5
Toluene	1					5	5
Total PCB	0.0005						
Toxaphene	0.003						
Trans-1,2-Dichloroethylene	0.1					5	5
Trichloroethylene	0.005					5	5
Vinyl chloride	0.002					5	5
Xylenes (total)	10					5	5
Total trihalomethanes	0.80	28	10			4	4
Haloacetic acids	0.60	8	3			4	4
Disinfection byproducts		36	11	0	0		

¹Values are in milligrams per liter (mg/L), unless otherwise specified

Inorganic Contaminants: Jan. 1, 2010 - Dec. 31, 2010

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL (mg/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Inorganic Contaminants							
Antimony	0.006					5	5
Arsenic	0.010					5	5
Asbestos	7 million fibers/L						
Barium	2					5	5
Beryllium	0.004					5	5
Cadmium	0.005					5	5
Chromium	0.1					5	5
Cyanide (as free cyanide)	0.2					5	5
Fluoride	4.0	6	2			5	5
Mercury	0.002					5	5
Nitrate	10 (as nitrogen)	0	0				
Nitrite	1 (as nitrogen)						
Selenium	0.05					5	5
Thallium	0.002					5	5
Total nitrate and nitrite	10 (as nitrogen)					38	38

Radiological Contaminants: Jan. 1, 2010 - Dec. 31, 2010

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL ¹ (pCi/L)	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations	No. of Violations	No. of Systems with Violations
Radiological Contaminants							
Gross Alpha	15pCi/L	49	15			8	5
Radium-226 and radium-228	5 pCi/L	60	19			8	5
Gross beta	4 mrem/yr						
Subtotal		109	19 ²			16	5

Microbiological Contaminants: Jan. 1, 2010 - Dec. 31, 2010

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL Presence/ Absence	No. of Violations	No. of Systems with Violations	Number of Violations	No. of Systems with Violations	Number of Violations	No. of Systems with Violations
Total Coliform Rule							
Acute MCL violation	Presence	10	10				
Non-acute MCL violation	Presence	282	234				
Major routine and follow up Monitoring						1,003	567
Sanitary survey ³							
Subtotal		292	234 ⁴			1,003	567

¹ Values are in Picocuries per liter (pCi/L), unless otherwise specified

² Some systems may have violations in multiple categories

³ Number of violations for failure to perform sanitary survey under the Total Coliform Rule.

⁴ All Systems with an acute MCL violation also had a non-acute monthly MCL violation for the same month

Surface Water Treatment Rule: Jan. 1, 2010 - Dec. 31, 2010

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL	No. of Violations	No. of Systems with Violation	No. of Violations	No. of Systems with Violation	Number of Violations	No. of Systems with Violation
Surface Water Treatment							
Filtered systems							
Monitoring, routine/repeat						0	0
Treatment techniques				3	2		
Unfiltered systems							
Monitoring, routine/repeat							
Failure to filter							
Subtotal				3	2	0	0

Lead and Copper Rule: Jan. 1, 2010 - Dec. 31, 2010

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL	No. of Violations	No. of Systems with Violation	No. of Violations	No. of Systems with Violation	No. of Violations	No. of Systems with Violation
Lead and Copper Rule¹							
Initial lead and copper tap monitoring and reporting						2	2
Follow-up or routine lead and copper tap monitoring and reporting						22	22
Treatment installation							
Public education						97	93
Subtotal						121	117

¹ Includes any system not up to date on lead and copper monitoring. Not comparable with Annual Compliance Report figures from 2009

Public Notification: Jan. 1, 2010 - Dec. 31, 2010

		MCL		Treatment Techniques		Significant Monitoring/Reporting	
	MCL	No. of Violations	No. of Systems with Violation	No. of Violations	No. of Systems with Violation	No. of Violations	No. of Systems with Violation
Public Notification							
Consumer Confidence Reports ¹						350	120
Subtotal						63	63

1 Violations for failure to produce and distribute the 2009 Consumer Confidence Report in 2010

Groundwater Rule: Jan. 1, 2010 - Dec. 31, 2010

		MCL		Treatment Technique		Significant Monitoring/Reporting	
	MCL	No. of Violations	No. of Systems with Violation	No. of Violations	No. of Systems with Violation	No. of Violations	No. of Systems with Violation
Groundwater Rule							
Failure to treat				0	0		
Failure to address contamination				0	0		
Failure to address deficiency				23	22		
Public Notice						0	0
Sanitary Survey						0	0
Major routine and follow up monitoring						175	142
Subtotal				23	22	175	142

Appendix A - MCL Violations - Acute

I. Coliform MCL Violations - Acute

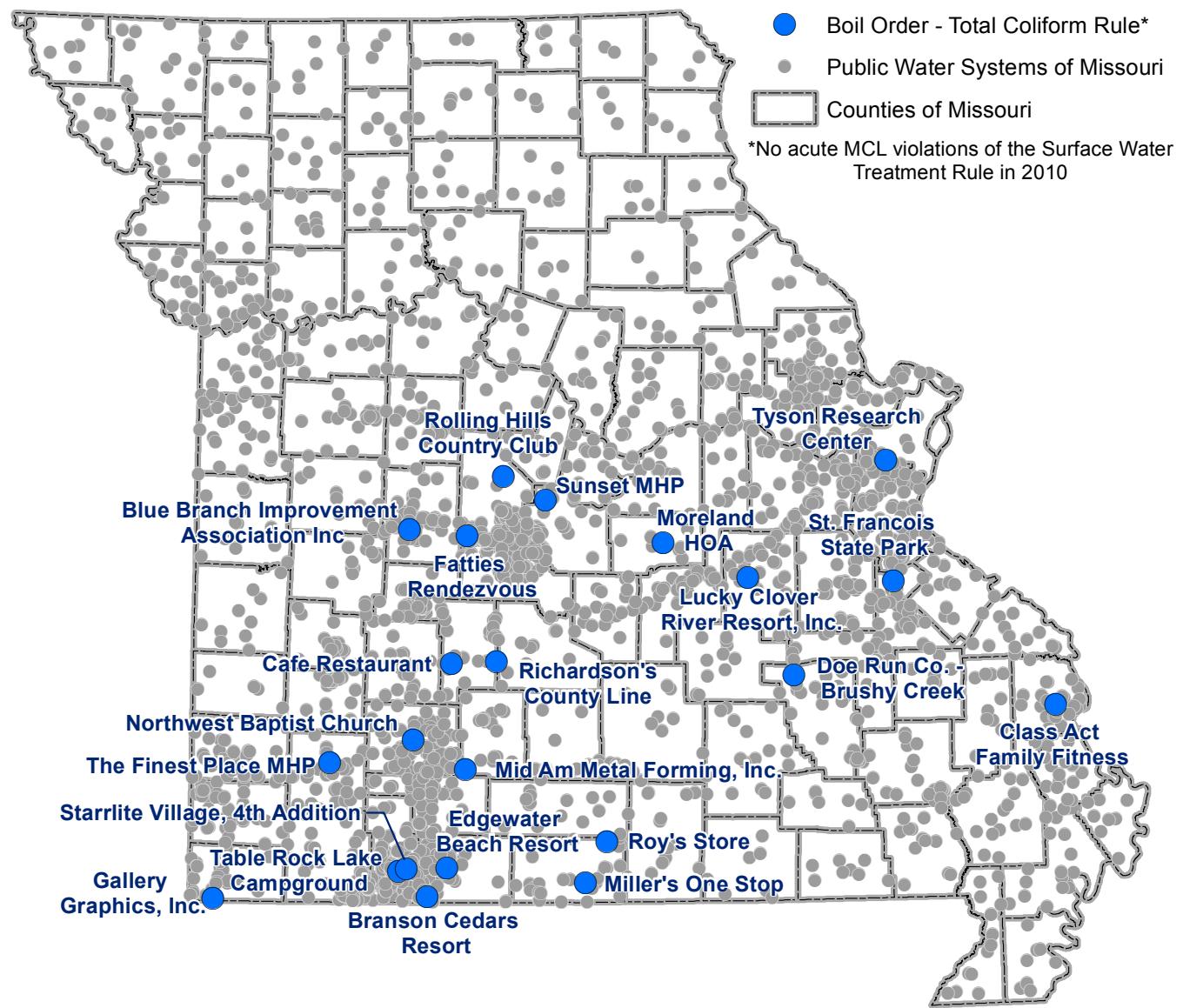
The following systems were under boil water orders due to acute MCL violations for fecal coliform or E. coli bacteria for the months listed. These acute violations also violate the standard for total coliform bacteria.

County	ID#	System Name	Month(s)	Issue	Rescind
Benton	M03036123	Blue Branch Improvement Ass. Inc	August	8/5/2010	9/10/2010
Camden	M03218100	Fatties Rendezvous	July	7/19/2010	7/23/2010
Cape Girard	M04283006	Class Act Family Fitness	May	5/11/2010	
Crawford	M04242910	Lucky Clover River Resort Inc	June	6/14/2010	6/18/2010
Dallas	M05212821	Cafe Restaurant	May	5/26/2010	6/3/2010
Dallas	M05292476	Richardsons County Line	February		5/14/2010
Greene	M05272307	Northwest Baptist Church	November	12/1/2010	12/3/2010
Lawrence	M05048105	The Finest Place MHP	September	9/20/2010	9/24/2010
Maries	M03191371	Moreland Homeowners Association	May	5/24/2010	6/4/2010
McDonald	M05182602	Gallery Graphics Inc	November	11/8/2010	11/18/2010
Miller	M05031430	Sunset MHP	June	6/14/2010	7/9/2010
Morgan	M03202562	Rolling Hills Country Club	June	6/21/2010	7/1/2010
Morgan	M03202562	Rolling Hills Country Club	July	7/19/2010	7/29/2010
Ozark	M05292636	Millers One Stop	July	7/23/2010	8/20/2010
Ozark	M05292331	Roys Store	July	7/19/2010	7/30/2010
Reynolds	M04180666	Doe Run Company Brushy Creek	July	8/6/2010	8/10/2010
St Francois	M04120167	St Francois State Park	June	6/9/2010	6/23/2010
St Louis	M06282400	Tyson Research Center	June	6/11/2010	6/19/2010
Stone	M05258070	Starrlite Village 4th Addition	May	6/14/2010	6/28/2010
Stone	M05240131	Table Rock Lake Campground	June	7/6/2010	7/20/2010
Stone	M05240131	Table Rock Lake Campground	July	7/23/2010	7/29/2010
Taney	M05282768	Branson Cedars Resort	June	6/28/2010	7/1/2010
Taney	M05191004	Edgewater Beach Resort	March	4/1/2010	4/7/2010
Taney	M05191004	Edgewater Beach Resort	July	7/16/2010	7/20/2010
Webster	M05183004	Mid Am Metal Forming Inc	September	9/24/2010	

Note: If no "Rescind Date", the boil order was still in effect at time of printing. If no "Issue Date", the boil order was already in effect when the violation occurred.

2010 Boil Water Orders

Issued due to acute MCL violations of the Total Coliform Rule and the Surface Water Treatment Rule



For current boil water orders, check the department's Web page at www.dnr.mo.gov/env/wpp/boil/index.html

Appendix A - MCL Violations Non-Acute

I. Coliform MCL Violations

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
BARRY	M05036195	TWIN RIVERS SUBD	August
	M05241299	SHORELINE CAMPGROUND AND RESORT	June, July, August
	M05258287	VIOLA R V & MOBILE HOME PARK	January
	M05258290	KINGS VIEW SUBDIVISION	May
	M05282767	VFW POST 4207	July
	M01031536	OAK RIDGE ACRES	August, September
BENTON	M01041487	SOUTHVIEW MHP & RV CAMP	August, September
	M01212833	DIANTHAS COUNTRY KITCHEN	July, August, September
	M01212836	JESTERS HOUSE	September
	M01272844	ABUNDANT LIFE CHRISTIAN CHURCH	September, October, November
	M01282815	REEDS RV PARK AND STORAGE	July, October, June
	M03010835	WARSAW	June
	M03036123	BLUE BRANCH IMPROVEMENT ASSOCIATION INC	June, July, August
	M03040761	LAKE HILLS MH/RV PARK	February, March, April
	M03041361	COUNTRY ACRES MOBILE HOME PARK	April
	M03190267	GRAND RIVER RESORT	May
	M03201440	THE OLD OAR HOUSE INN	May, April
	M03210344	DARS CAFE	September
	M03210904	LAKE HILLS MOTEL & RESTAURANT	January, October, November
BOLLINGER	M03241706	ANGLERS CAMP	August, April
	M03242534	FAIRFIELD RV PARK	April, May
BUTLER	M03290424	WALKERS CORNER GROCERY	July
	M04142183	DUCK CREEK WILDLIFE AREA	February, April, May
	M04024070	BUTLER CO PWSD 1	October
CALLAWAY	M04024072	BUTLER CO PWSD 3	June
	M04191461	MILLERS MOTOR LODGE	April, May
CAMDEN	M03010535	MOKANE WATER CO OP	February, March
	M03024084	CALLAWAY CO PWSD 1	November
CAMDEN	M03024091	CAMDEN CO PWSD 2	November
	M03031220	SEVEN TRAILS WEST SUBD	August
	M03031297	ST MORITZ ON THE LAKE	June, July
	M03031323	GINGER COVE SUBDIVISION	July
	M03036050	KK WATER SUPPLY	November
	M03190682	ALHONNA RESORT	January
	M03190688	ROCKWOOD RESORT MOTEL LLC	May
	M03190763	IRISH HILLS LAKESIDE RESORT LLC	September
	M03192148	AQUA FIN CONDOMINIUMS	December
	M03198238	DOGWOOD HILLS RESORT INN	October
	M03212445	MARINERS PIER 31 YACHT CLUB	September
	M03218001	THE TRAIL HOUSE RESTAURANT	July
	M03218029	CARDINAL COVE	August
	M03218100	FATTIES RENDEZVOUS	July
	M03238024	ST MORITZ ESTATES CONDO	August, September
	M05131428	LAKE ACRES HOMEOWNERS IMPROVEMENT ASSOC	September
CAMDEN	M05031601	J BAR H ESTATES	January, May
	M05122670	LAKE OZARK STATE PARK OUTPOST	September
	M05193014	SKYLINE MOTEL	November
	M05202643	DEER CHASE GOLF	July, August

I. Coliform MCL Violations (continued)

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
DADE	M05010331	GREENFIELD	August, September, October
	M05010749	SOUTH GREENFIELD	August
	M05110193	STOCKTON MUTTON CREEK MARINA EAST	July
CAMDEN	M05212796	BEAR BOTTOM RESORT	March, April, May June
	M05242992	CAMPING PARADISE	February
	M05243013	MO TRAPSHOOTERS ASSOC GUN CLUB	October
	M05251596	COFFMAN BEND 13 WATER	September
	M05252973	LEDGE STONE ESTATES HOA	July, August
	M04031453	WESTLAKE MEADOWS SUBDIVISION	January
CAPE GIRARD	M04048083	PARKWOOD LAKE ESTATES	September
	M04231318	RON'S BUTCHER SHOP & GROCERY	December
	M04283006	CLASS ACT FAMILY FITNESS	May
	M04024109	CARTER CO PWS 2	December
CARTER	M01010061	BELTON	October
	M01010301	GARDEN CITY	May
CEDAR	M01010649	PLEASANT HILL	August
	M01024118	CASS CO PWS 9	September
	M05010241	EL DORADO SPRINGS	August
	M05191320	MT CARMEL INN	May, July
	M05212752	ORLEANS TRAIL RESTAURANT	August
	M05282827	VIKINGS OFFICE BAR POST 129	June
CHARITON	M05282846	AMERICAN VETERANS POST 116	August
	M02010420	KEYTESVILLE	September
	M05010071	BILLINGS	August
CHRISTIAN	M05024134	HIGHLANDVILLE	September
	M05273003	LIFEPOINT CHURCH	October
	M05282624	SADDLEBROOKE VISITOR CENTER	April
	M05282994	SOMEPLACE ELSE	November
CLINTON	M01024156	LINTON CO PWS 4 SYS 1	September
	M03010831	WARDSVILLE	April
COLE	M03024164	COLE CO PWS 5	September
	M03031301	RED FIELD SUBDIVISION	September
	M03241399	WHISPERING WINDS BIBLE CAMP	July
CRAWFORD	M04011491	VILLAGE OF WEST SULLIVAN	July, October, November
	M04242910	LUCKY CLOVER CRAWFORD RIVER RESORT INC	June, July, August, September
	M06010200	CUBA	October
	M06010457	LEASBURG	March
	M06010759	STEELVILLE	March
	M05010331	GREENFIELD	May, June, August, September, October
DADE	M05010749	SOUTH GREENFIELD	August
	M05110193	STOCKTON MUTTON CREEK MARINA EAST	July
	M05041253	MERITTS CAMPGROUND	June, July
DALLAS	M05210063	FORT NIANGUA RIVER RESORT	August
	M05212821	CAFE RESTAURANT	May
	M05292476	RICHARDSONS COUNTY LINE	February
	M01010010	ALTAMONT	August
DAVIESS	M01010510	MAYSVILLE	June
DENT	M04171148	OAK HILL ELEM SCHOOL	September, October
DOUGLAS	M05010040	AVA	April
DUNKLIN	M05282625	C L DISCOUNT GROCERY	July, August, September
	M04048245	BAKER MILLS MHP	January, July, October
FRANKLIN	M06010303	GERALD	August

I. Coliform MCL Violations (continued)

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
FRANKLIN	M06010303	GERALD	September
	M06031090	LAURA MEADOWS APARTMENTS	June
	M06031215	FRANKLIN CO PWS 1 CARDINAL MEADOWS	June, July, August
	M06031237	HAYFIELD WATER WORKS	September
	M06036128	MIRAMIGUOA PARK	April
	M06036139	HERMIT HOLLOW SUBD	August
	M06171159	LONEDELL R XIV ELEM SCHOOL	December
	M06241626	CAMP MO VAL CAMP TAMBO	September
	M03191470	LOST VALLEY LAKE RESORT	September, October
	M06171595	OWENSVILLE HIGH SCHOOL	July
GASCONADE	M06211503	SILVER DOLLAR LOUNGE	July, August, September
	M01024223	GENTRY CO PWS 1	October
GENTRY	M05010032	ASH GROVE	February
	M05010681	REPUBLIC	November
	M05010829	WALNUT GROVE	August
	M05036094	GREEN HILLS COUNTRY CLUB	July
	M05036187	CROSS ROADS ACRES	March
	M05122454	NATHAN BOONE STATE HISTORICAL SITE	June
	M05161591	RITTER SPRINGS PARK	October
	M05182849	JM & M INVESTMENTS	October
	M05212683	VIRGILS BAR & SELF STORAGE	October, November, December
	M05258072	KUM & GO 497	October
	M05271587	TEMPLE ISRAEL	May
	M05272307	NORTHWEST BAPTIST CHURCH	November
	M05272441	AGAPE LIFE FELLOWSHIP	August
	M05272758	WILSON CREEK BAPTIST CHURCH	April
	M05282754	JD LEE & SONS FUNERAL HOME	August
	M05290086	KUM & GO 498	October
HENRY	M01031542	OAKWOOD WATER ASSOCIATION	April, May, June, July
	M05010197	CROSS TIMBERS	December
	M05021292	PWS 2 OF HICKORY CO	August
	M05036203	LAKE FOREST SUBDIVISION	July
	M05192686	NEMO BRIDGE RESORT	July, August
	M05251481	WINDMILL POINT	June
	M05251510	KEN HAVEN SUBD	July
	M05252773	STARLIGHT LANE SUBDIVISION	September, October
	M05252968	POMME DE VILLA SUBDIVISION	October
	M05292918	TNT QUICK SHOP	January, June, October, December
HICKORY	M01021304	HOLT CO PWS 1	July
	M04021164	HOWELL CO PWS 3	November
	M04171180	BELLEVIEW ELEM SCHOOL	October
	M05010004	ALBA	August, December
	M05010558	NECK CITY	December
	M05010665	PURCELL	December
	M05031602	MALFUNCTION JUNCTION	June, July
	M05172883	COVENANT WORLD OUTREACH	April
	M05180568	MARS PETCARE US	May
	M05180568	MARS PETCARE US	July
JASPER	M05180607	DYNO NOBEL	January, February
	M05182965	EBV-EEC EXPLOSIVES ENVIRONMENTAL CO	August, September, October
	M06024295	JEFFERSON CO CONS PWS 1	February
	M06036028	LAKE LORRAINE WATER CO	May

I. Coliform MCL Violations (continued)

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
JEFFERSON	M06036049	LAKEWOOD HILLS SUBD	April
	M06048147	LAUREL ACRES MHP	May, September, December
	M06180934	RIVER CEMENT COMPANY	June
	M06240040	CAMP CEDARLEDGE	July
	M06270498	ST MARTINS UCC CHURCH	June, December
	M06292691	PRO STOP	November, December
LACLEDE	M05282611	SIGN FAB INC	June
LAFAYETTE	M01010009	ALMA	August
LAWRENCE	M05010941	FREISTATT	October
	M05048105	THE FINEST PLACE MHP	January, September
	M05203000	MILLER SCHOOL CARDINAL BASEBALL FIELD	September
	M05211348	DONS CROSSROADS	August
	M05218165	HONEYCREEK GOLF CLUB	September
	M05231809	THREE V CORPORATION	April
LINCOLN	M05272726	FREEDOM CHRISTIAN CENTER	September
	M06010866	WINFIELD	September
	M06031324	WESTMIER SUBDIVISION	June
	M06031357	FAWN LAKES	October
	M06036217	LAKEVIEW SUBD WATER SYSTEM	September
	M06182514	NORTH TROY BUSINESS PARK	September
MADISON	M06291625	CASTLES GROCERY AND CAFE	June, November
	M04010501	MARQUAND	December
	M03010054	BELLE	October
	M03191371	MORELAND HOMEOWNERS ASSOCIATION	May
	M04292847	CROSSROADS CONVENIENCE STORE	August
	M05010449	LANAGAN	September
MCDONALD	M05182602	GALLERY GRAPHICS INC	June, November
	M05272723	NEW LIFE FELLOWSHIP CHURCH	November
	M05272955	BUFFALO CREEK BAPTIST CHURCH	June, July
	M02024382	MERCER CO PWSD 1	December
	M03010441	LAKE OZARK	August
	M03010444	LAKESIDE VILLAGE	January, February
MERCER	M03010709	ST ELIZABETH	July
	M03048243	EAGLE MHP	June, July
	M03191296	EL RANCHO TRAVEL CENTER	September
	M03210828	THE HUT	October
	M03212296	TOOTERS SALOON & STEAKHOUSE	May, June, October
	M03231548	LAKE VILLAGE SUBD MILLER WELL OWNERS ASSN	September
MISSISSIPPI	M03240814	NORTH SHORE RV PARK AND CAMPGROUND	April, June
	M03241749	CAMP BAGNELL	July
	M03292544	MERTENS MINI MART 8	September
	M05031430	SUNSET MHP	June
	M04048066	MERRYWEATHER MEADOWS	January, July, August
	M03010124	CALIFORNIA	August
MONITEAU	M03291410	DANVILLE SINCLAIR	August
	M06010521	MIDDLETOWN	October
	M06010565	NEW FLORENCE	July
	M03010767	STOVER	January
	M03024413	LAURIE	September
	M03031345	OKLATERRE MOBILE HOME PARK	October
MORGAN	M03031365	TIMBERLAKE MASTER ASSOCIATION INC	December

I. Coliform MCL Violations (continued)

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
MORGAN	M03190822	THE ANCHORAGE PUB & MHP	May
	M03202562	ROLLING HILLS COUNTRY CLUB	June, July, August
	M03212558	LEHMANS RESTAURANT	May
	M03240046	WONDERLAND CAMP	June
	M03252169	LUCKY POINT	February
	M03252600	OSAGE COMMUNITY ELKS LODGE 2705	October
	M05192693	AQUA VITAE ESTATES	July
	M05212905	VINNYS CAFE AND LOUNGE	June, July
	M05212933	TRAFFIC JAM	March
	M05252728	MOFFETT SUBDIVISION	July
	M05252990	WASHBURN POINT SUBDIVISION	July, October
	M05170238	JESUS NAME PENTECOSTAL CHURCH	September
	M05172890	TRINITY LEARNING CENTER	January, February
NEWTON	M05211212	CJS CAFE	May
	M05212102	MC DONALDS 8201	March
	M05241139	MINTAHAMA PROGRAM CENTER	June
	M05241734	KOA CAMPGROUND	July
	M01010508	MARYVILLE	May
	M04171266	COUCH R 1 SCHOOL	September
	M02172928	LITTLE EINSTEIN LEARNING CTR	June
OSAGE	M03010517	META	April
	M05010297	GAINESVILLE	September
	M05190867	TWIN FORKS RESORT	September
	M05212897	RUSTY RAIL PUB	August
	M05292331	ROYS STORE	January, July
OZARK	M05292636	MILLERS ONE STOP	July
	M04010143	CARUTHERSVILLE	November
	M04010758	STEELE	June
	M04010830	WARDELL	August
PERRY	M04036202	LAKE KAH TAN DA ESTATES INC	June, August
	M01041587	WOOLERY MHP J	April, May, June, July
PEMISCOT	M03010386	HUGHESVILLE	November
	M03036105	MONSEES LAKE ESTATES	July
	M03048254	CRESTVIEW MHP	June
	M03048254	CRESTVIEW MHP	May
	M03120151	BOTHWELL LODGE STATE HISTORIC SITE	May, August
	M03190893	BUDGET HOST SUPER 7 MOTEL	May
	M03010712	ST JAMES	December
	M03010887	NEWBURG	April
	M03069014	FERNDALE RESIDENTIAL CARE II	May, October
	M03190089	THE JAMES FOUNDATION	July
PHELPS	M03212546	ZENOS MOTEL & STEAKHOUSE	September
	M04242857	LITTLE PRAIRIE BIBLE CAMP	June
	M05031605	BYBEE ESTATES	May, June
	M05258125	CASES CORNER LLC	January
POLK	M03010684	RICHLAND	September
	M03024490	PULASKI CO PWSD 1	April
	M03024491	PULASKI CO PWSD 2	October
	M04180666	DOE RUN COMPANY BRUSHY CREEK	July
REYNOLDS	M04190139	TWIN RIVERS LANDING	July, August
	M04190874	BLACK RIVER LODGE INC	June
	M04010604	ORAN	June

	M03212558	LEHMANS RESTAURANT	May
SHANNON	M04248525	JASON PLACE CAMPGROUND	July
ST CHARLES	M06010287	ST CHARLES PWS 2 FORISTELL	September
	M06036022	PRAIRIE VIEW ACRES SUBD	August
ST CLAIR	M05010480	LOWRY CITY	October, November, December
ST FRANCOIS	M04010270	FARMINGTON	October
	M04120167	ST FRANCOIS STATE PARK	June
	M04170524	MOTHER GOOSE DAY CARE CENTER	October
	M04211557	C B JOES BBQ	January, June
	M04212885	RUMRUNNERS	July
	M04218516	MOORES FARM	November
ST LOUIS	M06202395	LONE ELK COUNTY PARK	June
	M06282400	TYSON RESEARCH CENTER	June
STE GENEVIE	M04010718	ST MARY	June, September, October
	M04036146	LAKE FOREST ESTATES	September
	M04212833	CROWN RIDGE RESTAURANT	January, February, March
STONE	M05030870	COUNTRY TIME ESTATES	August, September
	M05031127	COOL WATER COVE WATER WELL ASSN	May, June, July, September, October, November
	M05031145	STONE MANOR SUBDIVISION	February, April, November
	M05031172	CAPS COVE SUBD	July
	M05031492	GRAND CRU AT THE LAKE SUBDIVISION	May
	M05031526	OAKWOOD HOMEOWNERS ASSOCIATION	August, September
	M05041140	AUNTS CREEK DEV 1ST ADD	June
	M05100028	USFS BIG BAY CAMPGROUND	June, July, September
	M05112267	TABLE ROCK INDIAN POINT 114	September
	M05190982	WISHWOOD RESORT	September
	M05191453	VILLAGE AT INDIAN POINT	July
	M05212501	BEARDED CLAM RESTAURANT	August
	M05212976	CAPE FAIR MARINA	May, June
	M05238059	TABLE ROCK SPORTSMENS CLUB	June
	M05240131	TABLE ROCK LAKE CAMPGROUND	June, July
	M05252173	GLEN OAKS SUBD	October
	M05258070	STARLITE VILLAGE 4TH ADDITION	May
	M05258136	PARMESANS PIZZERIA	September
TANEY	M05024599	TANEY CO PWS 1	December
	M05036180	TANEY CO WATER LLC - VENICE	November
	M05070611	BRANSON EAST APARTMENTS	July, August, September, October
	M05191004	EDGEWATER BEACH RESORT	March, July
	M05191008	VICKERY RESORT MOTEL	August
	M05218056	SENIOR FRIENDSHIP SITE	October, November
	M05240145	CLEVINGER BRANCH MEMBERS CORP	August
	M05240231	BRANSON STAGECOACH	September
	M05282768	BRANSON CEDARS RESORT	June
	M05292494	WILD BILLS TRAVEL CENTER	July, August
TANEY	M05292575	RAPID ROBERTS 121	October, November
TEXAS	M04211081	EL RANCHO TRUCK PLAZA	June
WARREN	M06048356	PLEASANT OAK MHP	August
	M06180571	WARCO MANUFACTURING CO	July
WASHINGTON	M04036311	ANTHONIES MILL RESORT SUBDIVISION	August, July
	M04040230	HARPER VALLEY TRAILER PARK	July
	M04172753	ST JOACHIM SCHOOL	November, October
	M04212819	OZARK FREEZE RESTAURANT	January, February

I. Coliform MCL Violations (continued)

The following systems had two or more samples test positive for total coliform bacteria in the months indicated. The positive samples were then tested for fecal coliform or E. coli and were found to be negative.

County	ID#	System Name	Month(s)
MORGAN	M03190822	THE ANCHORAGE PUB & MHP	May
	M03202562	ROLLING HILLS COUNTRY CLUB	June, July, August
	M04212819	OZARK FREEZE RESTAURANT	June
	M06010659	POTOSI	July
	M06024633	WASHINGTON CO PWS 1	January, June, July, August
	M06069096	POTOSI EAST	January, February
	M06120173	WASHINGTON STATE PARK	June
	M06171236	KINGSTON K 14 SCHOOL DISTRICT	November
	M04024637	WAYNE CO PWS 1	September
	M04112033	WAPPAPELLO RES HOLLIDAY LANDING	June
WAYNE	M04198545	TWIN OAKS RESORT	June
	M05183004	MID AM METAL FORMING INC	July, September, October, November
	M05208114	WILD ANIMAL SAFARI INC	January, February, June
	M05272948	DIGGINS APOSTOLIC CHURCH	June
	M05281419	CROSSCUT HOME CENTER	August
WEBSTER	M05281419	CROSSCUT HOME CENTER	May
	M05010585	NORWOOD	July
	M05171242	MANES R V ELEM SCHOOL	September, October
	M05218161	MOUNTAIN GROVE CHRISTIAN ACADEMY	August

II. Chemical MCL Violations

County	ID#	System Name	Chemical
ADAIR	M02010429	KIRKSVILLE	CHLORITE
AUDRAIN	M02010812	VANDALIA	TOTAL TRIHALOMETHANES (TTHM)
BARTON	M05010446	LAMAR	TOTAL TRIHALOMETHANES (TTHM)
BATES	M01024031	BATES CO PWS 2	TOTAL HALOACETIC ACIDS (HAA5)
	M01024031	BATES CO PWS 2	TOTAL TRIHALOMETHANES (TTHM)
BUTLER	M04010656	POPLAR BLUFF TOTAL	HALOACETIC ACIDS (HAA5)
CALDWELL	M01010099	BRECKENRIDGE TOTAL	HALOACETIC ACIDS (HAA5)
	M01010099	BRECKENRIDGE	TOTAL TRIHALOMETHANES (TTHM)
	M01010342	HAMILTON	TOTAL TRIHALOMETHANES (TTHM)
CASS	M01010225	DREXEL	ATRAZINE
	M01010301	GARDEN CITY	TOTAL TRIHALOMETHANES (TTHM)
CLAY	M01010466	LIBERTY	TOTAL TRIHALOMETHANES (TTHM)
DAVIESS	M01036130	DAVIESS CO PWS 3	TOTAL TRIHALOMETHANES (TTHM)
DEKALB	M01010510	MAYSVILLE	TOTAL TRIHALOMETHANES (TTHM)
GENTRY	M01070639	MIDDLE FORK WATER CO	TOTAL TRIHALOMETHANES (TTHM)
GRUNDY	M02010796	TRENTON MUNICIPAL UTILITIES	TOTAL TRIHALOMETHANES (TTHM)
HARRISON	M01024242	HARRISON CO PWS 2	TOTAL TRIHALOMETHANES (TTHM)
JEFFERSON	M06071352	JEFFERSON CO WATER AUTHORITY	TOTAL TRIHALOMETHANES (TTHM)
LAFAYETTE	M01010599	ODESSA	TOTAL TRIHALOMETHANES (TTHM)
LINCOLN	M06024340	LINCOLN CO PWS 1	FLUORIDE
	M06031217	TIMBER RIDGE ESTATES	FLUORIDE
LINN	M02010112	BUCKLIN	TOTAL HALOACETIC ACIDS (HAA5)
MONTGOMERY	M06010848	WELLSVILLE	TOTAL HALOACETIC ACIDS (HAA5)
	M06010848	WELLSVILLE	TOTAL TRIHALOMETHANES (TTHM)
NEWTON	M05041190	RAINES MHP	TOTAL HALOACETIC ACIDS (HAA5)
PIKE	M02010479	LOUISIANA	TOTAL HALOACETIC ACIDS (HAA5)
	M02010479	LOUISIANA	TOTAL TRIHALOMETHANES (TTHM)
SHELBY	M02010736	SHELGINA	TOTAL HALOACETIC ACIDS (HAA5)

III. Radiological MCL

County	ID#	System Name	Chemical
CAPE GIRARDEAU	M04031453	WESTLAKE MEADOWS SUBDIVISION	COMBINED RADIUM (-226 & -228) GROSS ALPHA, EXCL. RADON & U
IRON	M04036256	KILLARNEY SHORES SUBD	COMBINED RADIUM (-226 & -228)
LINCOLN	M06010798	TROY	COMBINED RADIUM (-226 & -228) GROSS ALPHA, EXCL. RADON & U
MCDONALD	M05010449	LANAGAN	GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228)
	M05010645	PINEVILLE	GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228)
	M05021168	MCDONALD CO PWSD 3	COMBINED RADIUM (-226 & -228) GROSS ALPHA, EXCL. RADON & U
MONTGOMERY	M06010521	MIDDLETOWN	GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228)
ST FRANCOIS	M04010087	BONNE TERRE	GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228)
	M04010270	FARMINGTON	GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228)
	M04021451	PILOT KNOB RURAL WD 1 DOE RUN AREA	COMBINED RADIUM (-226 & -228)
	M04031206	HUNTERS RIDGE SUBD	COMBINED RADIUM (-226 & -228) GROSS ALPHA, EXCL. RADON & U
	M04036059	TERRE DU LAC	GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228)
	M04041308	WALNUT GROVE MHP	COMBINED RADIUM (-226 & -228) GROSS ALPHA, EXCL. RADON & U
	M04048064	TOWN & COUNTRY MOBILE HOME PARK	COMBINED RADIUM (-226 & -228)
	M04069041	FARMINGTON CORRECTIONAL CENTER	GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228)
ST LOUIS	M06010258	EUREKA	COMBINED RADIUM (-226 & -228) GROSS ALPHA, EXCL. RADON & U
VERNON	M05010104	BRONAUGH	COMBINED RADIUM (-226 & -228) GROSS ALPHA, EXCL. RADON & U
	M05024616	VERNON CO PWSD 1	COMBINED RADIUM (-226 & -228)
WASHINGTON	M04011123	MINERAL POINT	GROSS ALPHA, EXCL. RADON & U COMBINED RADIUM (-226 & -228)

IV. Surface Water

The following systems violated the Surface Water Rule, Treatment Technique for Turbidity or other surface water requirements In the months or annual period Indicated

County	Id#	System Name	Period	Violation
BATES	MO1010001	ADRIAN	February	Combined Filter Effluent Turbidity
CALDWELL	MO1010099	BRECKENRIDGE	2nd Quarter	Inadequate DBP Precursor Removal
			March, July	Combined Filter Effluent Turbidity
CALDWELL	MO1010342	HAMILTON	August, December, July	Combined Filter Effluent Turbidity
CLARK	MO2010875	WYACONDA	January, February, March	Combined Filter Effluent Turbidity
CLAY	MO1010748	SMITHVILLE	June, July, August	Combined Filter Effluent Turbidity
DEKALB	MO1010510	MAYSVILLE	May, August	Combined Filter Effluent Turbidity
HARRISON	MO1024241	HARRISON CO PWSD 1	4th Quarter	Inadequate DBP Precursor Removal
MONTGOMERY	MO6010848	WELLSVILLE	1st, 2nd, 3rd Quarter	Inadequate DBP Precursor Removal
NODAWAY	MO1010508	MARYVILLE	1st, 2nd Quarter	Inadequate DBP Precursor Removal
ST FRANCOIS	MO4240120	S F SCOUT RANCH	May	Combined Filter Effluent Turbidity

Appendix B

Chronic Major Monitoring

The following systems had three or more major violations of the Total Coliform Rule in 2010 and have been listed on previously issued news releases for chronic monitoring violations.

County	System Name	PWS ID #	Months
BARRY	COUNTRY DINER	M05212453	January, February, March, April
BENTON	COLONY BAPTIST CHURCH	M03270290	May, July, August, October
	HIDDEN VALLEY MHP	M03262156	January, February, March, April, May, June, August, September, October November, December
	MM CAFE	M01212807	January, February, April, June, November, December
	SUN VALLEY SUBDIVISION	M03031366	January, February, March, April, May, June, July, August September, October, November, December
	T T CAMPGROUND	M01242804	January, February, March, April, May, June, July August, September, October, November, December
CAMDEN	54 DINER	M03211098	January, February, May, August, November
	CROSSROADS CAFE AND C STORE	M05212785	January, February, March, April, May, June
	KELLEYS LANDING	M03190038	April, May, July, August
	KNOOKERS	M03282315	October, November, December
	MARINERS PIER 31 YACHT CLUB	M03212445	May, June, July
	PIT STOP CAFE	M05212834	February, April, June, July
CEDAR	BOAT HOUSE RESTAURANT & LOUNGE	M05212832	January, February, May, June, November
DALLAS	FRATERNAL ORDER OF EAGLE 4010	M05218054	July, October, November
	HO HUMM CAMPGROUND	M05240083	May, June, July, August
	THE RAIL MDV AUXILIARY CLUB # 99	M05282882	January, June, July, August, September, October, November, December
GREENE	SPRINGFIELD LIVESTOCK MARKETING CTR	M05282587	January, March, May, June
HENRY	MONTROSE	M01010541	March, October, November
JASPER	COACHLIGHT RV PARK	M05202945	May, June, July, August, September
	FLYIN W CONVENIENCE STORE	M05258080	March, April, November, December
	KUM & GO 29	M05292802	March, May, July
JEFFERSON	VALLE ACRES MHP	M06048208	March, April, July, October
LAWRENCE	BAUMERS FOOD MART	M05292361	January, March, August
MARIES	MORELANDS CATFISH PATCH & STEAKHOUSE	M03211025	February, March, June, October, November December
MILLER	CEDAR JUNCTION	M05292911	February, May, July
	OLD TOWN OSAGE	M05212967	April, May, July
	SUNSET MHP	M05031430	January, February, March, April, May, August September, October, November, December
MISSISSIPPI	MERRYWEATHER MEADOWS	M04048066	March, April
NEWTON	BACK ROADS	M05211719	April, September, December
	BELIEVERS FAITH FELLOWSHIP	M05272989	January, February, March, May, June, July, August September, October, November, December
	RACINE 1 STOP	M05291658	February, March, May, June

Appendix B (Continued)

Chronic Major Monitoring

The following systems had three or more major violations of the Total Coliform Rule in 2010 and have been listed on previously issued news releases for chronic monitoring violations.

County	System Name	PWS ID #	Months
OZARK	RUSTY RAIL PUB	M05212897	January, February, March, April, May
OZARK	THUNDER BAY RESORT	M05191676	May, June, August
POLK	CASES CORNER LLC	M05258125	February, March, May
PULASKI	RIVER ROCK GRILL	M03211505	January, April
ST CHARLES	EMMANUEL UNITED CHURCH OF	M06270501	January, July, August, October, November
STONE	CROSS ROADS STORE	M05292589	January, May, July
	JONES COVE SUBDIVISION	M05252981	January, February, March, April, May, August
	STARLIGHT VILLAGE	M05030473	January, February, April, May, June
	THE LAKE HOUSE	M05282679	March, May, July
TANEY	EAST FORK SUBDIVISION	M05031597	January, February, April, May, June, July, August September, October, November, December
	GDM INVESTMENT PROJECT	M05182954	January, February, April, May, June, July, August November, December
	PARKVIEW LODGE	M05191005	May, July, September, October
	SPRING CREEK 2ND ADD	M05030391	February, May, August, September
WASHINGTON	L & M MOBILE HOME PARK	M04041275	January, February, March, April, May, June July, August, September
WRIGHT	MANES CAFE	M05212760	January, February, March, April, May, June
	MOUNTAIN GROVE CHRISTIAN	M05218161	February, March, April, June, July, September October, December

Appendix C

Major Repeat Monitoring Violations

The following systems had major repeat monitoring violations for the months listed. A major repeat monitoring violation occurs when a routine sample tests positive for total coliform bacteria and that system fails to submit any follow-up, or repeat, samples as required.

County	ID#	System Name	Month(s)
BARRY	M05282767	VFW POST 4207	August
CAMDEN	M03190038	KELLEYS LANDING	April
CAMDEN	M03238024	ST MORITZ ESTATES CONDO	April
CHRISTIAN	M05282994	SOMEPLACE ELSE	December
CHRISTIAN	M05291585	COWBOY CORRAL	November
DALLAS	M05010807	URBANA	June
DALLAS	M05282882	THE RAIL MDV AUXILIARY CLUB # 99	January
FRANKLIN	M06048153	MAPLE HILL PARK	April
GREENE	M05048107	COUNTRY SQUIRE VILLAGE	February
HENRY	M01010865	WINDSOR	February
HICKORY	M05036203	LAKE FOREST SUBDIVISION	June
	M05252968	POMME DE VILLA SUBDIVISION	April
JASPER	M05041599	PLEASANT VALLEY MHP	August
JEFFERSON	M06292691	PRO STOP	October
LAWRENCE	M05212358	ROUTE 66 TAVERN	December
	M05212358	ROUTE 66 TAVERN	June
MILLER	M03190811	SHADY OAKS RESORT	July
	M03212296	TOOTERS SALOON & STEAKHOUSE	December
	M03292544	MERTENS MINI MART 8	August
MISSISSIPPI	M04048066	MERRYWEATHER MEADOWS	March
MORGAN	M03211305	PAINTED PONY	February
NEWTON	M05041190	RAINES MHP	January
	M05048225	BIG VALLEY PARK MHP	August
	M05212860	COUNTRY TAVERN	July
	M05291658	RACINE 1 STOP	June
OZARK	M05211086	THE GRAPEVINE	June
ST LOUIS	M06069092	WYMAN	May
STE GENEVIEVE	M04212833	CROWN RIDGE RESTAURANT	March
STONE	M05030473	STARLIGHT VILLAGE	July
	M05031120	SECURITY ACRES	June
	M05036145	LEISURE SHORES UNIT 2	January
	M05190988	DOUBLE OAK RESORT	August
	M05238311	DOGWOOD VALLEY ESTATES	August
	M05252981	JONES COVE SUBDIVISION	May
	M05272979	TALKING ROCKS ROAD BAPTIST CHURCH	September
WEBSTER	M05010734	SEYMOUR	August
WRIGHT	M05218161	MOUNTAIN GROVE CHRISTIAN ACADEMY	December

Appendix D

Significant Non-Compliers

The following systems had been deemed Significant Non-Compliers for 2010. These are the systems with serious violations that potentially affect public health or with multiple monitoring violations.

County	PWS ID #	Name	Rule
ADAIR	M02010587	NOVINGER	Consumer Confidence Report
AUDRAIN	M02010438	LADDONIA	Consumer Confidence Report
BARRY	M05031340	SWEETWATER BEACH SUBD	Consumer Confidence Report
BATES	M01024031	BATES CO PWSD 2	TTHM
BATES	M01024031	BATES CO PWSD 2	TOTAL HALOACETIC ACIDS (HAA5)
BATES	M01010698	ROCKVILLE	Consumer Confidence Report
BENTON	M03036123	BLUE BRANCH IMPROVEMENT ASS INC	TCR
	M01212833	DIANTHAS COUNTRY KITCHEN	Nitrate
	M03031321	DOCS RETREAT UNIT 1	Consumer Confidence Report
	M03262156	HIDDEN VALLEY MHP	Consumer Confidence Report
	M03262156	HIDDEN VALLEY MHP	Nitrate
	M03262156	HIDDEN VALLEY MHP	TCR
	M03040761	LAKE HILLS MH/RV PARK	Consumer Confidence Report
	M01212807	MM CAFE	TCR
	M03031366	SUN VALLEY SUBDIVISION	Consumer Confidence Report
	M03031366	SUN VALLEY SUBDIVISION	TCR
	M01242804	T T CAMPGROUND	TCR
BOLLINGER	M04010496	MARBLE HILL NORTH	Consumer Confidence Report
	M04010483	MARBLE HILL SOUTH	Consumer Confidence Report
BUTLER	M04010656	POPLAR BLUFF TOTAL	HALOACETIC ACIDS (HAA5)
CALDWELL	M01010099	BRECKENRIDGE TOTAL	HALOACETIC ACIDS (HAA5)
	M01024078	CALDWELL CO PWSD 1	Consumer Confidence Report
	M01010342	HAMILTON	TTHM
CALLAWAY	M03041238	HATTON HILLS MHP	Consumer Confidence Report
CAMDEN	M05212796	BEAR BOTTOM RESORT	TCR
	M03024090	CAMDEN CO PWSD 1	Consumer Confidence Report
	M05021438	CAMDEN CO PWSD 3	Consumer Confidence Report
	M03302557	CLEARWATER CONDOMINIUMS	Consumer Confidence Report
	M05212785	CROSSROADS CAFE AND C STORE	TCR
	M03301350	FOUNTAIN VIEW LANDING	Consumer Confidence Report
	M03036078	FOXHEAD SHORES	Consumer Confidence Report
	M03036354	HAWK ISLAND ESTATES	Consumer Confidence Report
	M03202324	LAKE OZARK RECREATION AREA	Nitrate
	M03031208	MAKALU ESTATES	Consumer Confidence Report
	M03030981	MINNOWBROOK ESTATES	Consumer Confidence Report
	M05031544	OAK SHADOWS SUBDIVISION	Consumer Confidence Report
	M03282326	PARK PLACE MASTER ASSN	Consumer Confidence Report
	M03030474	ROBYN POINT	Consumer Confidence Report
	M03031242	SERENITY BAY SUBD	Consumer Confidence Report
	M03031220	SEVEN TRAILS WEST SUBD	Consumer Confidence Report
	M03031257	SUMMER PLACE ON THE LAKE	Consumer Confidence Report
	M03031280	SYLVAN BAY SUBDIVISION	Consumer Confidence Report
	M03238097	THE FALLS CONDOMINIUMS	Consumer Confidence Report
	M05021546	TIMBERLAKE TERRACE	Consumer Confidence Report
	M05301390	TUSCANY CONDOMINIUMS	Consumer Confidence Report
CAPE GIRARDEAU	M04024097	CAPE GIRARDEAU CO PWSD 2	Consumer Confidence Report
CASS	M01010225	DREXEL	Atrazine
CHRISTIAN	M05031578	MC GINNIS ESTATES SUB	Lead

Appendix D (Continued)

Significant Non-Compliers

The following systems had been deemed Significant Non-Compliers for 2010. These are the systems with serious violations that potentially affect public health or with multiple monitoring violations.

County	PWS ID #	Name	Rule
CLAY	M01010466	LIBERTY	TTHM
CRAWFORD	M04242910	LUCKY CLOVER RIVER RESORT INC	TCR
DADE	M05010025	ARCOLA	Consumer Confidence Report
DADE	M05010331	GREENFIELD	TCR
DALLAS	M05282882	THE RAIL MDV AUXILIARY CLUB # 99	TCR
DAVIESS	M01036130	DAVIESS CO PWSD 3	TTHM
DEKALB	M01010510	MAYSVILLE	TTHM
FRANKLIN	M06036323	FOXBORO SUBDIVISION	Consumer Confidence Report
	M06048164	KINGSWAY MHP	Consumer Confidence Report
	M06036269	WOODLAND HILLS SUBD	Consumer Confidence Report
GASCONADE	M06010544	MORRISON	Consumer Confidence Report
GREENE	M05031325	GOLDEN OAK VILLAGE SUBD	Lead
	M05048400	SUBURBAN ACRES MOBILE HOME PARK	Nitrate
GRUNDY	M02010796	TRENTON MUNICIPAL UTILITIES	TTHM
HENRY	M01031542	OAKWOOD WATER ASSOCIATION	TCR
HICKORY	M05292918	TNT QUICK SHOP	TCR
HOWARD	M02010028	ARMSTRONG Consumer Confidence	Report
JEFFERSON	M06071352	EFFERSON COUNTY WATER AUTHORITY	TTHM
	M06036053	SEVEN SPRINGS SUBD	Consumer Confidence Report
LACLEDE	M05024318	LACLEDE CO PWSD 2	Consumer Confidence Report
LAWRENCE	M05272726	FREEDOM CHRISTIAN CENTER	Lead
LINCOLN	M06031357	FAWN LAKES	Consumer Confidence Report
MARIES	M03211025	MORELANDS CATFISH PATCH & STEAK HOUSE	TCR
MILLER	M05301479	ISLA DEL SOL	Consumer Confidence Report
	M03079537	OSAGE RIDGE APTS	Consumer Confidence Report
	M05031430	SUNSET MHP	TCR, Consumer Confidence Report
MILLER	M03212296	TOOTERS SALOON & STEAKHOUSE	TCR
MISSISSIPPI	M04048066	MERRYWEATHER MEADOWS	TCR
MONTGOMERY	M03011121 R	HINELAND	Consumer Confidence Report
	M06010848	WELLSVILLE	TOTAL HALOACETIC ACIDS (HAA5), TTHM
MORGAN	M03202562	ROLLING HILLS COUNTRY CLUB	TCR
NEW MADRID	M04024419	NEW MADRID CO PWSD 5	Consumer Confidence Report
NEWTON	M05272989	BELIEVERS FAITH FELLOWSHIP	TCR
	M05291658	RACINE 1 STOP	TCR
	M05041190	RAINES MHP TOTAL	HALOACETIC ACIDS (HAA5)
OSAGE	M02172928	LITTLE EINSTEIN LEARNING CTR	Lead
OZARK	M05212897	RUSTY RAIL PUB	TCR
PETTIS	M01041587	WOOLERY MHP	TCR
PHELPS	M03048118	NORTHWYE MHP	Consumer Confidence Report
PIKE	M02010479	LOUISIANA	TTHM
POLK	M05041146	VALLEY VIEW ACRES	Consumer Confidence Report
PULASKI	M03010684	RICHLAND	Consumer Confidence Report
SCHUYLER	M02070133	LIBERTY PRAIRIE WATER CO	Consumer Confidence Report
ST FRANCOIS	M04010270	FARMINGTON	Combined RADS, GA
	M04036059	TERRE DU LAC	Consumer Confidence Report, Combined RADS
	M04048064	TOWN & COUNTRY MOBILE HOME PARK	Consumer Confidence Report
	M04041308	WALNUT GROVE MHP	Combined RADS

Appendix D (Continued)

Significant Non-Compliers

The following systems had been deemed Significant Non-Compliers for 2010. These are the systems with serious violations that potentially affect public health or with multiple monitoring violations.

County	PWS ID #	Name	Rule
STE GENEVIEVE	M04212833	CROWN RIDGE RESTAURANT	TCR
STODDARD	M04024583	STODDARD CO PWSD 3	Consumer Confidence Report
STONE	M05210980	BRADFORD ON THE LAKE	Nitrate
	M05191413	CHRISTIAN ASSOCIATES OF TABLE ROCK LAKE	Lead
	M05031127	COOL WATER COVE WATER WELL ASSN	TCR
	M05031235	EDGEWATER VILLAGE	Consumer Confidence Report
	M05252981	JONES COVE SUBDIVISION	TCR, Nitrate
	M05030930	RED CEDAR PT HOMEOWNERS ASS INC	Consumer Confidence Report
	M05030473	STARLIGHT VILLAGE	TCR, Consumer Confidence Report
	M05258070	STARSLITE VILLAGE 4TH ADDITION	Lead
	M05041213	STONES MHP	Consumer Confidence Report
	M05240131	TABLE ROCK LAKE CAMPGROUNDS	TCR
	M05212757	VACATION LANE RESORT	TCR
	M05036090	VILLAGE OF CONEY ISLAND	Consumer Confidence Report
	M05218045	ZOEYS	Nitrate
SULLIVAN	M02010574	NEWTOWN	Consumer Confidence Report
TANEY	M05070611	BRANSON EAST APARTMENTS	TCR
	M05031597	EAST FORK SUBDIVISION	TCR
	M05191004	EDGEWATER BEACH RESORT	TCR
	M05182954	GDM INVESTMENT PROJECT	TCR
	M05021379	SAVANNAH PLACE THIRD ADDITION	Consumer Confidence Report
	M05030391	SPRING CREEK 2ND ADD	Consumer Confidence Report
	M05031437	SYCAMORE RIDGE SUBDIVISION	Consumer Confidence Report
WASHINGTON	M04040230	HARPER VALLEY TRAILER PARK	Consumer Confidence Report
	M04041275	L & M MOBILE HOME PARK	TCR
	M04011123	MINERAL POINT	Combined RADS
	M04292853	ROYS FAMILY MARKET	Nitrate
	M06024633	WASHINGTON CO PWSD 1	Consumer Confidence Report, TCR
WEBSTER	M05183004	MID AM METAL FORMING INC	TCR
WRIGHT	M05212760	MANES CAFE	TCR
	M05218161	MOUNTAIN GROVE CHRISTIAN ACADEMY	TCR



MISSOURI
DEPARTMENT OF
NATURAL RESOURCES

P.O. Box 176
Jefferson City, MO 65102-0176
800-361-4827

www.dnr.mo.gov